Serial No. 10/705,753 Response dated May 10, 2005 Reply to final Office Action of March 28, 2005

FROM-Merchant & Gould

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-57. (Canceled)

- An apparatus for removing a contaminant from an 58. (Previously presented) atmosphere in an airplane cabin, the apparatus comprising:
 - an adsorptive element comprising a body having a thickness of at least 1 cm and (a) comprising a plurality of passages extending therethrough in a side-by-side array, the passages having a cross-sectional width no greater than about 5 mm, the element comprising a coating less than about 0.5 mm thick substantially covering the passages, the coating comprising a polymeric binder and an adsorptive particulate and having only incidental catalytic activity; and
 - a housing having an inlet, an outlet, a receiving volume for the adsorptive **(b)** element, each of the inlet and outlet in air flow communication with the passages of the adsorptive element.
- (Currently amended) The apparatus according to claim 58 comprising at least three 59. adsorptive elements further comprising a second adsorptive element and a third adsorptive element both comprising a body having a thickness of at least 1 cm and comprising a plurality of passages extending therethrough in a side-by-side array, the passages having a cross-sectional width no greater than about 5 mm, the second and third elements comprising a coating less than about 0.5 mm thick substantially covering the passages, the coating comprising a polymeric binder and an adsorptive particulate and having only incidental catalytic activity.
- A system for removing a contaminant from a gas stream for 60. (Previously presented) an airplane cabin, the system comprising.
 - an adsorptive article comprising: (a)

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- (i) a body having a thickness of at least 1 cm and having a plurality of passages extending along the thickness, the passages having an interior surface and a cross-sectional width of no more than 5 mm; the passages defining an inlet of the article and an outlet; and
- (ii) a coating present on the interior surface of the passages, the coating comprising a polymeric binder and an adsorbent particulate and having a thickness less than 0.5 mm, the coating being substantially free of catalytic activity; and
- (b) a particulate filter in air flow communication with the inlet of the adsorptive article.
- 61. (Canceled)
- 62. (Previously presented) The system according to claim 60, wherein the adsorptive article is configured to remove VOCs from the gas stream.
- 63. (Previously presented) A method of removing a contaminant from a gas in an airplane cabin, the method comprising:
 - (a) installing a contaminant removal article in a pathway of the gas, the article comprising a body having a thickness of at least 1 cm, the body comprising a plurality of passages extending through the body in a side-by-side array, the passages having a cross-sectional width of no more than about 5 mm, the passages having an interior surface and a coating substantially covering the interior surface, the coating comprising a polymeric binder and an adsorptive particulate, the coating having a thickness of no more than 0.5 mm, and the article having only incidental catalytic properties;
 - (b) contacting the gas with the article, the gas having contaminant present at a level of 50 ppm-volume to 2 ppb-volume; and
 - (c) removing at least 90% of the contaminant from the gas with a pressure drop of no greater than 1 inch water at an airflow filter face velocity of 0.5 m/s.

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- 64. (Previously presented) The method according to claim 63, wherein the step of removing comprises:
 - (a) removing at least 95% of the contaminant from the gas with a pressure drop of no greater than 1 inch water at an airflow filter face velocity of 0.5 m/s.
- 65. (Previously presented) The method according to claim 63, wherein the step of removing comprises:
 - (a) removing at least 98% of the contaminant from the gas with a pressure drop of no greater than 1 inch water at an airflow filter face velocity of 0.5 m/s.
- 66. (Previously presented) The method according to claim 63, wherein the step of removing comprises:
 - (a) removing at least 90% of the contaminant from the gas with a pressure drop of no greater than 0.5 inch water at an airflow filter face velocity of 0.5 m/s.
- 67. (Previously presented) The method according to claim 63, wherein the step of removing comprises:
 - (a) removing at least 90% of the contaminant from the gas with a pressure drop of no greater than 0.1 inch water at an airflow filter face velocity of 0.5 m/s.
- 68. (Previously presented) The method according to claim 63, wherein the step of contacting a gas with the article comprises:
 - (a) contacting the gas with the article, the gas having VOCs present at a level of 50 ppm-volume to 2 ppb-volume.
- 69. (New) The system according to claim 60, wherein the passages of the body have a cross-sectional area of 1.5 mm² to 30 mm².

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- 70. (New) The system according to claim 60, wherein the body has a thickness of 2 cm to 10 cm.
- 71. (New) The system according to claim 60 comprising at least three adsorptive articles as defined by claim 60.
- 72. (New) The apparatus according to claim 58, wherein the adsorptive element is configured to remove VOCs from the atmosphere.
- 73. (New) The apparatus according to claim 58, wherein the passages of the adsorptive element have a cross-sectional area of 1.5 mm² to 30 mm².
- 74. (New) The apparatus according to claim 58, wherein the body of the adsorptive element has a thickness of 2 cm to 10 cm.